

**PROPERTIES OF WOOD PLASTIC COMPOSITE BY USING *Hibiscus*
cannabinus SPP. (KENAF) AS A RAW MATERIAL**

MOHAMMAD ZAHIN BIN KHALIL

**Thesis Submitted in Partial Fulfillment of the Requirements for
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Name of candidate : Mohammad Zahin Bin Khalil

Candidate Matrix ID : 2012200972

Program : Bachelor of Science (Hons.) Furniture Technology

Faculty : Applied Sciences

Thesis title : **PROPERTIES OF WOOD PLASTIC COMPOSITE BY
USING *Hibiscus cannabinus* SPP. (KENAF) AS
RAW MATERIAL**

Sign of Candidate :  _____

Date : 12/7/15

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ABSTRACT

This research is aimed to investigate the mechanical and physical properties of the thermoplastic composite from the kenaf species. The strength were tested for water absorption, thickness swelling, bending (Modulus of Rupture and Modulus of Elasticity), and tensile tests (Stress and Strain) based on ASTM standards. In this study, one paramaters used which was size of particles (150 μm , 180 μm , and 250 μm). From the study, it can be concluded that the smallest size (150 μm) compare to others particles size (180 μm and 250 μm) exhibited the highest strength of wood plastic composite compare to others size.

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